
Education

- 2010–2017 **University of Washington** *Ph.D.* Computer Science and Engineering Thesis: Natural Language as a Scaffold for Visual Recognition. *Advised by Luke Zettlemoyer and Ali Farhadi*
- 2010–2012 **University of Washington** *M.Sc.* Computer Science and Engineering *Advised by Luke Zettlemoyer*
- 2005–2010 **Cornell University** *B.Sc.* Computer Science *Advised by Lillian Lee*
Minor in Electrical Engineering and Dance.

Employment

- 2017–present **Young Investigator** *Allen Institute for Artificial Intelligence* *PRIOR Computer Vision Team*
- 2010–2017 **Research Assistant** *University of Washington*
- Jun–Aug 2016 **Research Intern** *Allen Institute for Artificial Intelligence*
- Jun–Aug 2015 **Research Intern** *Allen Institute for Artificial Intelligence*
- Jun–Aug 2013 **Research Intern** *Microsoft Research*
- Jun–Aug 2012 **Research Intern** *Microsoft Research*
- Jan–Aug 2010 **Research Intern** *SAP*
- 2008–2010 **Chief Technical Officer** *CourseTopia Inc*
- Jun–Aug 2006 **Research Intern** *Disney Imagineering*

Peer-Reviewed Conference Papers

All Venues have Acceptance Rate of 25-30%; Google Scholar H-Index: 11, Citations: 633

- 2019 **Don't Take the Easy Way Out: Ensemble Based Methods for Avoiding Known Dataset Biases** Christopher Clark, Mark Yatskar, Luke Zettlemoyer
Empirical Methods in Natural Language Processing (EMNLP)
- 2019 **Balanced Datasets Are Not Enough: Estimating and Mitigating Gender Bias in Deep Image Representations** Tianlu Wang, Jieyu Zhao, Mark Yatskar, Kai-Wei Chang, Vicente Ordóñez
International Conference on Computer Vision (ICCV)
- 2019 **Gender Bias in Contextualized Word Embeddings** Jieyu Zhao, Tianlu Wang, Mark Yatskar, Vicente Ordez, Kai-Wei Chang
North American Chapter of Association of Computational Linguistics (NAACL), p. 629-632
- 2019 **A Qualitative Comparison of CoQA, Squad 2.0, and QuAC** Mark Yatskar
North American Chapter of Association of Computational Linguistics (NAACL), p. 2318-2321
- 2018 **QuAC: Question Answering In Context** Eunsol Choi, He He, Mohit Iyyer, Mark Yatskar, Wen-tau Yih, Yejin Choi, Percy Liang, Luke Zettlemoyer
Empirical Methods in Natural Language Processing (EMNLP), p. 2174–2184
- 2018 **Gender Bias in Coreference Resolution: Evaluation and Debiasing Methods** Jieyu Zhao, Tianlu Wang, Mark Yatskar, Vicente Ordez, Kai-Wei Chang
North American Chapter of Association of Computational Linguistics (NAACL), p. 15-20
- 2018 **Neural Motifs: Scene Graph Parsing with Global Context** Rowan Zellers, Mark Yatskar, Sam Thomson, Yejin Choi
Conference on Computer Vision and Pattern Recognition (CVPR), p. 5831-5840
- 2017 **Men Also Like Shopping: Reducing Gender Bias Amplification using Corpus-level Constraints** Jieyu Zhao, Tianlu Wang, Mark Yatskar, Vicente Ordonez, Kai-Wei Chang
Empirical Methods in Natural Language Processing (EMNLP), p. 2979-2989
- 2017 **Commonly Uncommon: Semantic Sparsity in Situation Recognition.** Mark Yatskar, Vicente Ordonez, Luke Zettlemoyer, Ali Farhadi
Conference on Computer Vision and Pattern Recognition (CVPR), p. 6335-6344

- 2017 **Neural AMR: Sequence-to-Sequence Models for Parsing and Generation.** Ioannis Konstas, Mark Yatskar, Srinivasan Iyer, Yejin Choi and Luke Zettlemoyer
Association of Computational Linguistics (ACL), p. 146–157
- 2017 **Situation Recognition: Visual Semantic Role Labeling for Image Understanding.** Mark Yatskar, Ali Farhadi, Luke Zettlemoyer
Conference on Computer Vision and Pattern Recognition (CVPR), p. 5534-5542
- 2016 **Stating the Obvious: Extracting Visual Common Sense Knowledge.** Mark Yatskar, Vicente Ordonez, Ali Farhadi.
North American Chapter of Association of Computational Linguistics (NAACL), p. 193–198
- 2014 **See No Evil, Say No Evil: Description Generation from Densely Labeled Images.** Mark Yatskar, Michel Galley, Lucy Venderwende, Luke Zettlemoyer
Conference on Lexical and Computational Semantics (*SEM), p. 110–120
- 2013 **Learning to Relate Literal and Sentimental Descriptions of Visual Properties.** Mark Yatskar, Svitlana Volkova, Asli Celikyilmaz, Bill Dolan, Luke S Zettlemoyer
North American Chapter of Association of Computational Linguistics (NAACL), p.416–425
- 2012 **For the sake of simplicity: Unsupervised extraction of lexical simplifications from Wikipedia.** Mark Yatskar, Bo Pang, Cristian Danescu-Niculescu-Mizil, Lillian Lee
North American Chapter of Association of Computational Linguistics (NAACL), p.365–368

Awards

- 2017 **Allen Institute for Artificial Intelligence Young Investigator Award**
Counterfactual Fairness For Vision (Total Monetary Award: \$100,000)
- 2017 **Best Paper Award** Empirical Methods for Natural Language Processing
Men Also Like Shopping: Reducing Gender Bias Amplification using Corpus-level Constraints
- 2015 **AWS Research Grant**
Large Scale Visual Semantic Role Labelling (Total Monetary Award: \$15,000)
- 2011 **NSF Fellowship Finalist**
Natural Language Grounding without Prebuilt Models of the World

Selected Press

- 2017 **WIRED** Machines Taught By Photos Learn Sexist View of Woman
<https://www.wired.com/story/machines-taught-by-photos-learn-a-sexist-view-of-women/>
- 2016 **New York Times** Computer Vision: On the Way to Seeing More
<https://www.nytimes.com/interactive/2016/09/20/science/computer-vision-imsitu.html>

Invited Appearances

- Sep 2019 **XNOR** *Seattle, Washington.* Auditing for Fairness in Computer Vision
- Aug 2019 **Google Research** *New York, New York.* Visually Grounded Language and Gender Bias
- Aug 2019 **Facebook AI Research** *Menlo Park, California.* Visually Grounded Language and Gender Bias
- Aug 2019 **Salesforce Research** *Palo Alto, California.* Language as Scaffold for Visual Recognition
- Apr 2019 **Stony Brook University** *Stony Brook, New York.* Language as Scaffold for Visual Recognition
- Apr 2019 **University of North Carolina** *Chapel Hill, North Carolina.* Language as Scaffold for Visual Recognition
- Mar 2019 **University of Wisconsin** *Madison, Wisconsin.* Language as Scaffold for Visual Recognition
- Mar 2019 **University of Massachusetts, Amherst** *Amherst, Massachusetts.* Language as Scaffold for Visual Recognition
- Mar 2019 **Cornell University** *Ithaca, New York.* Language as Scaffold for Visual Recognition
- Mar 2019 **Toyota Technological Institute at Chicago** *Chicago, Illinois.* Language as Scaffold for Visual Recognition
- Mar 2019 **University of Pennsylvania** *Philadelphia, Pennsylvania* Language as Scaffold for Visual Recognition
- Mar 2019 **Georgia Institute of Technology** *Atlanta, Georgia* Language as Scaffold for Visual Recognition
- Feb 2019 **University of Irvine** *Irvine, California.* Language as Scaffold for Visual Recognition

- Nov 2018 **Naver Seoul, South Korea.** Language as Scaffold for Visual Recognition
- Jun 2018 **Ethics Workshop** *North American Chapter of Association of Computational Linguistics, New Orleans.* Panel Participant on Ethics in NLP
- Sep 2018 **Ohio State University Columbus, Ohio.** Language as Scaffold for Visual Recognition
- Jun 2018 **Language and Vision Workshop** *Conference on Computer Vision and Pattern Recognition, Salt Lake City.* Language as Scaffold for Visual Recognition
- Apr 2018 **Information Science Institute Marina del Rey, CA.** Language as Scaffold for Visual Recognition
- Apr 2018 **University of Los Angeles Los Angeles, CA.** Language as Scaffold for Visual Recognition
- Aug 2014 **University of Edinburgh Edinburgh, United Kingdom.** See No Evil, Say No Evil: Description Generation from Densely Annotated Images
- Jun 2013 **Language and Vision Workshop** *North American Chapter of Association of Computational Linguistics, Atlanta, Georgia.* Visual Descriptions from Feature Norms of Actions, Attributes, Classes and Parts

Service

- 2019 **Area Chair** *North American Chapter of Association of Computational Linguistics* Fairness and Ethics Track
- 2018 **Workshop Organizer** *North American Chapter of Association of Computational Linguistics,* Generalization in the Age of Deep Learning

Reviewing

- 2019 **Conference on Neural Information Processing Systems (NeurIPS)**
- 2014-2019 **Association of Computational Linguistics (ACL)**
- 2016-2019 **Conference on Computer Vision and Pattern Recognition (CVPR)**
- 2016-2019 **Empirical Methods in Natural Language Processing (EMNLP)**
- 2016-2018 **North American Chapter of Computational Linguistics (NAACL)**
- 2017-2018 **Transactions on Pattern Analysis and Machine Intelligence (TPAMI)**
- 2018 **European Conference on Computer Vision (ECCV)**
- 2017 **European Chapter of Computational Linguistics (EACL)**
- 2017 **International Joint Conference on Artificial Intelligence (IJCAI)**
- 2014 **Association for the Advancement of Artificial Intelligence (AAAI)**
- 2012 **International Joint Conference on Natural Language Processing (IJCNLP)**

Teaching

- 2018 **Natural Language Processing Capstone** *University of Washington,* Guest Lecture
Fairness in Natural Language Processing
- 2018 **Deep Learning** *University of Washington,* Guest Lecture
Advanced Attention in Natural Language Processing
- 2018 **Language and Vision Seminar** *University of Washington,* Seminar Leader
- 2013 **Artificial Intelligence** *University of Washington,* Teaching Assistant
- 2013 **Natural Language Processing** *University of Washington,* Teaching Assistant
- 2013 **Natural Language Processing** *University of Washington,* Guest Lecture